A.O.Smith Water Heaters

Submittal Sheet

Legend 2000
A.O.SMITH BURKAY

COMMERCIAL BOILER
MODEL LB-500, 750 and 1000

Job name _____

_____

Address _____

_____

_____

Architect _____

Engineer _____

Contractor _____

Distributor _____

_____

A.O.Smith Representative _____

_____

Model _____ # of Units _____

Input _____ Natural Gas ☐ LP ☐

Total Btuh Input_____

MEETS OR EXCEEDS ASHRAE/IES 90.1B-1992

DESIGN CERTIFIED

CERTIFIED

H

ASME

FM APPROVED

Standard Equipment

- Inconel 625 stainless super alloy burner
- Bronze headers
- ASME pressure relief valve 30#
- LED inlet & outlet thermometers
- 160 psi ASME working pressure
- Authorized factory start-up
- 10 year heat exchanger warranty

Standard Controls

- Main & redundant gas valves
- Auto reset high limit
- Manual reset high limit
- Hot surface electronic ignition system
- Low gas pressure switch
- Dia-Scan solid state diagnostic module
- Low air pressure switch
- Mounted flow switch
- Adjustable high limit
- On/Off switch
- 24 volt control system
- FM Approved Gas Train

Optional Equipment

IRI Gas Train	☐	NY Code	☐	Vent System*	☐
CSD-1 Code	☐	California Code	☐	Sequencing Panel	☐
Low Water Cutoff	☐	Illinois School Code	☐		

*NOTE: All venting for direct/sealed vent systems must be provided by A. O. Smith or an approved supplier. Contact your A. O. Smith representative for information.

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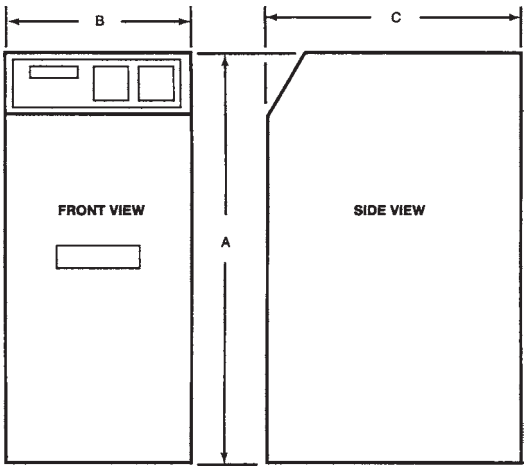

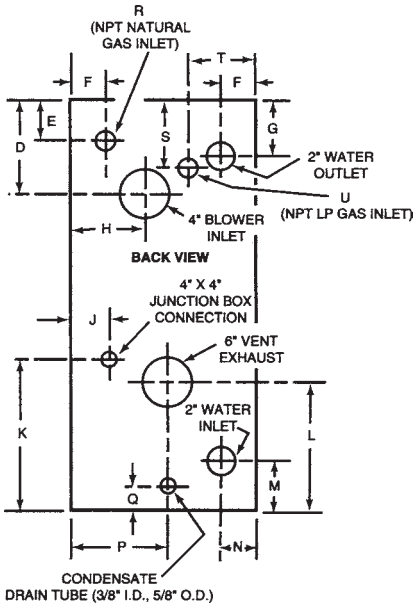

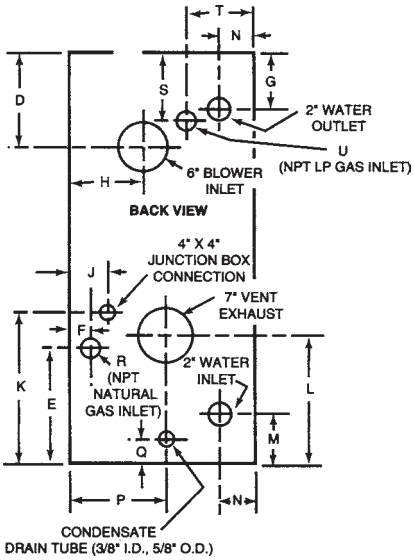

Minimum clearances to combustibles:

4" rear, 0" top & sides, 6" vent

MODEL LB-500/750

MODEL LB-1000

All Dimensions In Inches

Models	Vent Size	A	B	C	D	(Nat.) E	(Nat.) F	G	H	J	K	L	M	N	P	Q	R	(LP) S	(LP) T	(LP) U	Approx. Ship. Wt. (Lbs.)
LB-500	6	53	23	32	13 1/2	4 3/8	3 1/4	6 3/8	7 1/2	3 1/2	19	16 1/4	5	5 1/4	11 1/2	2	1	---	---	1	425
LB-750	6	53	23	32	13 1/2	4 3/8	3 1/4	6 3/8	7 1/2	3 1/2	19	12 1/4	5	5 1/4	11 1/2	2	1	11 3/4	6 1/2	1	528
LB-1000	7	60 1/2	27 1/8	38 3/16	13 3/4	15 1/2	3 1/2	8 1/8	8 1/4	3 1/2	21	12 1/2	6 3/4	4 1/8	13 3/8	2 1/4	1 1/4	11 7/8	7 5/8	1 1/4	934

Gas supply pressure 13.8" w.c. maximum natural and propane; 7" w.c. minimum natural,11.0" w.c. minimum propane.

RATINGS

Model		BTUH Input	BTUH Output	Flow Rate @ 20° Temperature Rise	
				GPM	PD-Ft./Hd.
LB-500	Natural LP	500,000 450,000	450,000 405,000	44	9.6
LB-750	Natural LP	750,000 675,000	675,000 607,500	66	10.0
LB-1000	Natural LP	1,000,000 860,000	900,000 774,000	88	8.6

A. O. Smith Water Products Co., Inc. On Line
www.aosmithwaterheaters.com

For Technical Information and Automated Fax Service, Phone: 800-527-1953

A.O.Smith Water Heaters

A. O. Smith
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Ashland City, TN
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